

## ABSTRACT

[0070] A pulse generating apparatus has two like output channels that apply  
5 generated pulse signals of selected characteristics to two electrodes attached to  
a strap, each electrode receiving a different signal. The strap is attached to the  
foot so that the electrodes are positioned to stimulate with an electrical signal the  
abductor hallucis muscle of the foot to correct an imbalance due to overpowering  
by the adductor hallucis muscle in the large toe. The signal strengthens the  
10 abductor hallucis muscle so that eventually it regains strength sufficient to  
counter balance the imbalance effect of the stronger adductor hallucis muscle  
and alleviate the bunion condition in the large toe. The electrical signal  
generator generates signals that are pulses that are adjustable in frequency,  
modulation, pulse width and amplitude with modified square waves. In a second  
15 embodiment, the abductor digiti minimi brevis muscle is overpowered by the  
flexor digitorum (3<sup>rd</sup> plantar interosseus), in respect of the small toe causing  
Tailors Bunion. In this case, the two electrodes are attached via a strap to the  
foot so that the electrodes are positioned to stimulate with an electrical signal the  
abductor digiti minimi brevis muscle to strengthen this muscle and correct the  
20 bunion condition for the small toe.